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(54) Title: COMPOSITIONS AND METHODS FOR DETECTION AND TREATMENT OF PROLIFERATIVE ABNORMALITIES ASSOCIATED WITH OVEREXPRESSION OF HUMAN TRANSKETOLASE LIKE-1 GENE

(57) **Abstract:** The present invention relates to methods for treatment and diagnosis of disorders associated with abnormally proliferating cells. In one aspect the invention relates to methods, which are especially useful for the detection of tumors and their precursory stages based on the detection of overexpression of human transketolase like-1 gene in biological samples. In another aspect the invention relates to methods for treatment of disorders associated with the overexpression of human transketolase like-1 gene. Methods for treatment may include gene therapeutic approaches as well as methods for inhibiting or reducing the activity of transketolase like-1 polypeptides.